

Generic Risk Assessment

Reference Source	Title / Description	Heavy (Adverse) Weather Encounter	IMS Procedure	FS-01-IMSL3-001 - Bridge Procedures	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-004		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Vessel preparation for adverse weather navigation	H – Lack of awareness H – Inexperienced crew H- Inadequate vessel preparation H – Inadequate weather forecast H – Human factors H – Work organization and social factors E – Equipment / vessel damage E – Injury E – Fatigue	Personnel on board	3	C	C3	1. Consider route deviations to avoid or minimise adverse weather encountered (S) 2. Consider identification of ports of refuge or shelter areas (S) 3. Organise battening down of complete vessel (En) 4. Check sea fastening of equipment and reinforce if required (En) 5. Follow adverse weather procedure (A) 6. Obtain and Monitor weather forecasts (A) 7. Brief crew about adverse weather and appropriate behaviour (A) 8. Essential personnel in full awareness of reduced capabilities (A)	2	C	C2

Generic Risk Assessment

Title/ Description	Heavy (Adverse) Weather Encounter			GR A. No	FS-01-IMS03-001-B-004
Reference Source	ICS Bridge procedures guide			Line of Fire	
Tasks	A: Hazard	B: Initial Risk	IMS Procedure	FS-01-IMS13-001 - Bridge Procedures	Life Saving Rule
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	D: Residual Risk
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>
					<p>9. Restriction on use of dedicated spaces such as Gym, warning sign posted. (A)</p> <p>10. All personnel involved to comply with cultural awareness and no harassment policy (A)</p> <p>11. Be aware of crew capabilities, limitations and other personal characteristics of each crewmember related to bad weather navigation, and if possible, arrange work on board accordingly (A)</p> <p>12. If possible, reduce workload before bad weather. Comply with work and rest hours. (A)</p>
Emergency preparedness for potential emergency situation (including Bad weather, poor visibility, insufficient	H – Fire Emergencies H – Health Emergencies H – Nautical Emergencies H – Environmental Emergencies H – Equipment Failure Emergencies	Personnel on board	4	C C4	<p>Control measures 1 to 12, as applicable</p> <p>13. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)</p>

Generic Risk Assessment

Title/ Description		Heavy (Adverse) Weather Encounter		IMS Procedure		FS-01-IMS13-001 - Bridge Procedures		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-004		
Reference Source		ICS Bridge procedures guide		A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard.	From matrix, identify likelihood with no controls in place for each hazard.	Classify risk rating from matrix for each hazard.	From matrix, identify consequence with controls in place for each hazard.	Potential Severity	Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard.	From matrix, identify likelihood with no controls in place for each hazard.	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify likelihood with controls in place for each hazard.	From matrix, identify consequence with controls in place for each hazard.	From matrix, identify likelihood with controls in place for each hazard.	(1-5)	(A-E)	(High, medium or low)		
manning, capsize, sinking)	H – Search and Rescue - SAR - Emergencies E – Death E – Injury/Illness of personnel E – Damage to vessel E – Loss of vessel E – Damage to 3rd party property													
Heavy (adverse) weather navigation	H – Ingress of water H – Loss of stability H – Loss of Power H – Loss of propulsion H – Unwell feeling, restricted capabilities of personnel H – Dehydration H – Insufficient meals prepared/ consumed H – Loss of equipment to sea E – Fatality E – Loose parts, body impact and injury.	Personnel on board	4	C	C4	Control measures 1 to 12, as applicable 18. Galley equipment secured and food preparation limited to what is possible considering ship movement. (S) 19. Outdoors/ exposed areas, restricted as per Master orders. (I) 20. Vessel speed and course to be adjusted to limit weather effects (En) 21. Backup power supply available and tested (En)	4	A	A4					

Generic Risk Assessment

Title/ Description		Heavy (Adverse) Weather Encounter		IMS Procedure		FS-01-IMS13-001 - Bridge Procedures		Life Saving Rule		Line of Fire		GRA. No		FS-01-IMS03-001-B-004	
Reference Source	Tasks	A: Hazard	ICS Bridge procedures guide	B: Initial Risk	Personnel at Risk	Potential Severity	Likelihood of Occurrence	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Risk Rating			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating	Classify risk rating from matrix for each hazard. (High , Medium or Low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E = Elimination S=Substitution I = Isolation En=Engineering Controls A = Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High , Medium or Low)			
Heavy (adverse) weather in port	H – Ingress of water H – Loss of stability H – Loss of Power H – Unwell Feeling, restricted capabilities of personnel H – Dehydration H – Insufficient meals prepared/ consumed H – Damage to mooring line/ equipment H – Vessel contact with quay/berth	Personnel on board	4	C	Control measures 1 to 12, as applicable 26. Consider shifting vessel to anchorage or shelter area (S) 27. Galley equipment secured and food preparation limited to what is possible considering ship movement. (S) 28. Outdoors/ exposed areas, restricted as per Master orders. (I) 29. Backup power supply available and tested (En)	4	A	A4							



Generic Risk Assessment

Title/ Description		Heavy (Adverse) Weather Encounter				GRA. No	FS-01-IMS03-001-B-004
Reference Source	ICS Bridge procedures guide	IMS Procedure		FS-01-IMS13-001 - Bridge Procedures	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
	E – Fatality E- Loose parts, body impact and injury. E – Pinch points. E – Slips, trips & falls E – Spills / oil pollution E – Vessel equipment damage E – Financial loss E – Loss of reputation					30. Anti-slip painting on deck (as applicable), (En) 31. Additional mooring lines, fendering (En) 32. Consult Port Master instructions or advices (A) 33. Onboard Medical facilities on standby, seasickness' pills distribution, as required (A) 34. Monitor secured equipment and improve lashings if required (A)	
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00
Miguel Ganuza, Melvin Fernandes (Initial 2021)		Muru Palaney, Tommaso Perelli (Initial 2021)		Location	FS	Rev. No	01
Marino Buselic, Vijay Murdath (Review 2022)		Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date	1 September 2022
		Next Review date		31 August 2023			

Generic Risk Assessment

Reference Source	Title/ Description	Control of Substances Hazardous to Health (COSHH)	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)	Life Saving Rule	Line of Fire	GRA. No	FS-01-IMS03-001-B-005	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I= Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Use of Substances Hazardous to Health	H – Contact with substance H- Incorrect use of substance H – Adverse release of substance H – Untrained personnel H- Poor mental health of crew involved H- Unfavourable work environment (stress, victimisation, etc.) E – Injury E – Fire E – Explosion E – Environmental Spill E - Contamination	Personnel on board	4	D	D4	1. Any chemical substance without a label shall not be used (E). 2. Use only least hazardous substances (S). 3. Adequate first aid and fire-fighting equipment available and close to the worksite (En). 4. Close scuppers if applicable (En) 5. All substances supplied on board shall have SDS available to users in the vessel's working language (A). 6. COSHH assessment for all substances on board (A). 7. COSHH procedure to be adhered to (A).	3	B	B3

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)			GRA. No	FS-01-IMS03-001-B-005						
Reference Source	Code of Safe Working Practices for Merchant Seafarers			FS-01-IMS03-001 Health & Safety at Work – Control of Substances Hazardous to Health (COSHH)	Line of Fire						
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk							
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High , medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High , medium or low)		
						8. All personnel involved to comply with cultural awareness and no harassment policy (A)	9. All crew involved shall be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A)	10. Plan work schedule and regular breaks, comply with work and rest hours (A)	11. Every crew member has the right to refuse to work with Substances Hazardous to Health, comply with speak up policy (A)	12. Use, handle and store substances as described in SDS and CCSHH assessment (A).	13. Ensure compatibility when multiple substances are used (A)

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)			GRA. No	FS-01-IMS03-001-B-005				
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work – Control of Substances Hazardous to Health (COSHH)	Life Saving Rule	Line of Fire				
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High , medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High , medium or low)

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)			GRA. No	FS-01-IMS03-001-B-005
Reference Source	Code of Safe Working Practices for Merchant Seafarers			FS-01-IMS03-001 Health & Safety at Work – Control of Substances Hazardous to Health (COSHH)	Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Emergency preparedness for potential emergency situation (Fire, Contaminations, burns, poisoning, skin irritations, eye irritations)	H – Fire Emergencies H – Health Emergencies H – Environmental Emergencies H- Incorrect use of substance H – Untrained personnel E – Death E - Injury/Illness of personnel E – Damage to vessel E – Damage to 3rd party property	4	C	C4	A4
				4	A

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)			GRA. No	FS-01-IMS03-001-B-005
Reference Source	Code of Safe Working Practices for Merchant Seafarers			FS-01-IMS03-001 Health & Safety at Work – Control of Substances Hazardous to Health (COSHH)	Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Storage of Substances Hazardous to Health	H – Incorrect substance storage H – Adverse release of substance H – Contact with substance E – Injury E – Fire E – Explosion E – Environmental Spill	Personnel on board 4	C C4	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
				D: Residual Risk 30. Following storage requirements and segregate incompatible substances as required as per procedures and SDS (I). 31. Product shall be put in quarantine in case no SDS available (I). 32. Designated COSHH locker available onboard, well-lit and ventilated (En). 33. Storage facility to be provided and maintained with suitable fire detection and suppression system (En). 34. Restrict the access to the substance to authorised personnel only (A). 35. If signs of leakage are present effort to be made to repackage the container (A). 36. Storage space to be regularly inspected (A).	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
				B3	B

Generic Risk Assessment

Title/ Description		Control of Substances Hazardous to Health (COSHH)				GRA. No.		FS-01-IMS03-001-B-005	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work – Control of Substances Hazardous to Health (COSHH)		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. Red, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (Red, medium or low)
						37. PPE as per PPE matrix available at the storage location (PPE).			
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00		
<i>Iris de Vos (Initial 2021)</i>		<i>Muru Palaney, Tommaso Perelli (Initial 2021)</i>		Location	FS	Rev. No	00		
<i>Marino Buselic, Vijay Mundath (Review 2022)</i>		<i>Tommaso Perelli, Muru Palaney (Review 2022)</i>		Approval	Julia Korpak	Date	1 September 2022		
		Next Review date		31 August 2023					

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling				GRA. No:			
Reference Source	ICS Bridge procedures guide	IMS Procedure		FS-01-IMS14-001 Deck Procedure	Life Saving Rule	Line of Fire			
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (Red, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (A-E)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
Berthing / Unberthing Mooring-Preparations	H- Misunderstanding procedures. H – Communication barrier H – Improper planning H- Slips and Trips H: Poor mental health of crew involved H: Unfavorable work environment (stress, victimization, etc.) H- Fatigue E – Injury/Illness of personnel E – equipment damage	Personnel involved in the work	C	C3	2	2	B	B2	

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-006	
Reference Source	ICS Bridge procedures guide	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire			
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity	Likelihood of Occurrence	From matrix, identify consequence with controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)		
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Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-006	
Reference Source	ICS Bridge procedures guide	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire			
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity	Likelihood of Occurrence	Risk Rating			
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Emergency preparedness for potential emergency situation (Mooring Equipment failure, Blackout, Collision, pollution, etc.)	H-Mooring equipment failure H- Slips, trips & falls H-Damaged/ parting of mooring line E - Spills / oil pollution E-Death E - Injury E- Damage to 3 rd party property	Personnel involved in the work	4	C	C4								

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-006
Reference Source	ICS Bridge procedures guide	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity	Likelihood of Occurrence	Risk Rating		
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Berthing / Unberthing Mooring-Operations	H- Brake Failure H- Hydraulic failure. H- Pinch points H- Slips, trips & falls H- Unfamiliar crew H- Damaged/ parting mooring line E- Loose parts, body impact and injury. E- Spills / oil pollution E- Fatality Evessel equipment damage	Personnel involved in the work	4	C	C4			3	B	B3		

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-006
Reference Source	ICS Bridge procedures guide	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Potential Severity	Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating High, medium or low		
Securing of mooring station after berthing	H- Pinch points H- Slips, trips & falls H- Unfamiliar crew H- Damaged/ parting mooring line E- Loose parts, body impact and injury. E- Fatality E- Vessel equipment damage	Personnel involved in the work		C4	35. Handle mooring lines correctly without placing yourself or team members in danger (A). 36. Always maintain operational awareness and focus on the task (A).							
Securing of mooring station after unberthing	H- Pinch points H- Slips, trips & falls H- Unfamiliar crew E- Injury. E- Vessel equipment damage	Personnel involved in the work		C2	37. Rat guards in place for each mooring line (En) 38. Ensure winch breaks are fast and winch de-clutched (En) 39. Switch off all hydraulics after completion (En) 40. Proper housekeeping of mooring stations are carried out (A) 41. Anchor secured after arrival (A)							
					42. Switch off all hydraulics after completion (En) 43. Check that mooring lines are secured for sea voyage, (A) 44. Proper housekeeping of mooring stations are carried out (A) 45. Ensure anchor is secured for sea voyage (A)							

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-006	
Reference Source	ICS Bridge procedures guide	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk								
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. Note: High, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. Note: High, medium or low		
Asessor's Name(s)	Reviewers Name(s)	Date	1 Sept 2022	Time	08:00	Location	FS	Rev. No	00				
Miguel Ganuza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)	Approval	Julia Korpak	Date	1 September 2022	Next Review date	31 August 2023						
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)												

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools			GRN No:	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems			IMS Procedure	FS-01-IMS03-001 Health & Safety at Work
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>
General preparation and equipment selection for working with hand and power tools	<p>H – use of defective equipment</p> <p>H – unfamiliar with equipment</p> <p>H – inappropriate equipment selected for job</p> <p>H- inadequate housekeeping/storage of tool</p> <p>H Poor mental health of crew involved</p> <p>H: Unfavourable work environment (stress, victimization, etc.)</p> <p>H - Fatigue</p>	<p>1. Remove from service if broken, refer to Lock out / tag out procedure (E)</p> <p>2. Comply with manual handling limits, all equipment and work-related articles (tools, materials etc) shall not exceed an individual's capacity to lift and carry (E)</p> <p>3. Emergency stops where fitted are identified and easily accessible by the operator. (E)</p> <p>4. Use bench support power tools where possible, instead of hand held (S)</p>	<p>C3</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>

Generic Risk Assessment

Title/ Description		Power Tools - General Operations with Hand and Power Tools			GRA. No.		FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high , medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5) (high , medium or low)	Potential Severity From matrix, identify likelihood with controls in place for each hazard. (A-E)
E – equipment damage E – inadequate work output E – Injury / Illness					5. Trailing electrical leads to be placed without presenting an obstacle/hazard to access routes. (En)		
					6. Use only fit for the purpose tools (En)		
					7. Tools suited for the environment, e.g. low voltage in confined spaces, intrinsically safe in explosive atmosphere (En)		
					8. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A)		
					9. All personnel involved to comply with cultural awareness and no harassment policy (A)		

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No.	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (1-5)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (high, medium or low)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.</p> <p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No:	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems				IMS Procedure	FS-01-IMS03-001 Health & Safety at Work
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high , medium or low)	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>
						<p>18. Keep all safety devices and guards fully operational (A)</p> <p>19. Always attach safely tools when working overhead (A)</p> <p>20. 'Stop the Job' Policy (A)</p> <p>21. Use SLAM before starting the job (A)</p> <p>22. HSSE observation card (A)</p> <p>23. Operator trained or familiar in the use of equipment. (A)</p> <p>24. Toolbox talk, where required (A)</p> <p>25. Tools and associated accessories inspected before use and on completion of work. (A)</p> <p>26. If work is carried out with contractors provided tools, equipment assurance procedure to be followed (A)</p> <p>27. Use appropriate PPE as per PPE Matrix (PPE)</p>

Generic Risk Assessment

Title/ Description		Power Tools - General Operations with Hand and Power Tools				GRA. No:		FS-01-IMS03-001-B-007	
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
	Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Likelihood of Occurrence	Risk Rating		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E)	Potential Severity	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. Red, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Emergency preparedness for potential emergency situation (Equipment failure, Blackout, Fire, electrical shock, Injury, etc.)	H – Equipment failure H – Damaged tools H – Crew incompetent for task E - Injury E – Death E – Damage to vessel E – Damage to 3 rd party property E – Fire E – Blackout	Operators, Personnel in the area	4	C	C4	28. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)	4	A	A4
Preparation for working with portable power tools: Noise and Vibration	H - Noise H - Vibration E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration	Operators, Personnel in the area	3	C	C3	32. Isolate work area to prevent noise or vibration exposure, as required (I) 33. Noise exposure levels to be monitored by site supervisors. (A) 34. Work share/rotation of task is recommended to reduce	2	B	B2

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No:	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high , medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Work with hand and power tools that have rotating	H – Tools with inadequate guarding/entanglement	Personnel working with tools	4	C	C4 Control measures 1 to 27 as applicable	3 B B3

Generic Risk Assessment

Title/ Description		Power Tools - General Operations with Hand and Power Tools				GRA. No:		FS-01-IMS03-001-B-007	
Reference Source		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
				Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence	Risk Rating
Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	Hazard Description and Effect	Personnel at Risk	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (Low, medium or high)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.							
and / or moving parts	with rotating or moving parts of tool H - Incorrect use or selection of tools or attachments	E – Injuries; Bruising, Cuts, abrasions, Fracture, Amputation					40. Remove all loose clothing to prevent entanglement (E) 41. Remove all accessories that could get entangled (E)		
Work with portable pneumatic, hydraulic, and electric power tools.	H – Forces (electricity, pressure, mechanical, etc.) H- Electrical Shock E – Injuries; Burns; Muscle pain; Electric shock; Fatality.	Personnel in the area	4	C	C4		Control measures 1 to 27 as applicable 42. Whip-checks to use (E) 43. All tools for outside work are 110 V rated. (En) 44. All tools and extension leads to be clearly identified with the correct colour code tag (annual inspection / PAT). (A)	3	B B3

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No:	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems				IMS Procedure	FS-01-IMS03-001 Health & Safety at Work
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
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Assessor's Name(s)	Reviewers Name(s)	Date	1 September 2022	Time	08:00	
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)	Location	FS	Rev. No	01	
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022	
		Next Review date	31 August 2023			

Generic Risk Assessment

Title/ Description	Hot Works, Welding / Burning / Oxygen Cutting	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Hot Work	GRA. No:	FS-01-IMS03-001-B-008		
Reference Source	Code of Safe Working Practices for Merchant Seafarers								
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (Low, medium or high)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (Red, medium or low)</p>
	<p>H: Inadequate job preparation.</p> <p>H: Unaware of the hazards and controls.</p> <p>H: Poor mental health of crew involved</p> <p>H: Unfavourable work environment (stress, victimization, etc.)</p> <p>H: Fatigue</p> <p>E: Unidentified hazards and risks</p>	<p>All persons on board</p>	<p>C1</p>	<p>1</p>	<p>B1</p>	<p>B</p>	<p>1</p>		

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No:	FS-01-IMS03-001-B-008					
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk							Hot Work					
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En =Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity	Likelihood of Occurrence	Risk Rating					
							6. Plan work schedule and regular breaks, comply with work and rest hours (A)	7. Comply with speak up policy (A)	8. Follow and adhere to Hot work procedure (A)	9. Supervision required (A)	10. Follow and adhere to Permit to work procedure (A)	11. Adhere to Life Saving Rule no.5 Hot work (A)	12. Acquire permission port authorities, if applicable (A)	13. Obtain additional PTW if the task is to be performed, amongst others, in confined space, at height, over the side, LOTO, Isolation etc. (A)	14. Monitor weather and ship movement (A)	15. Protect yourself against heat exhaustion (A)	16. Be aware of SIMOPS (A)

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No:		FS-01-IMS03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Hot Work				
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating			Potential Severity	Likelihood of Occurrence	Risk Rating				
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)			
Hot Work- Equipment selection	H: Equipment E: Poor quality standards of equipment used	All persons on board	4	C	C4	17. 'Stop the Job' known to everybody involved (A) 18. Use SLAM before starting with actual work (A)	19. Properly store all cylinders, acetylene and oxygen to be segregated – upright, with protective caps, away from heat, sparks and flames (I) 20. Use PAT tested equipment, maintained as per manufacturer's instructions, PMS and suitable for marine environment (En)	3	B	B3	21. Use only properly certified and maintained equipment for the task including gas detection equipment (En) 22. Protect equipment from potential mechanical damages during storage and operations – sharp edges, corners, heavy objects, etc (En)	23.		

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Hot Work			
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. High , Medium or Low	Potential Severity	Likelihood of Occurrence	From matrix, identify likelihood with controls in place for each hazard. (1-5)	Risk Rating		
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Hot Work - Competence	H: Inadequate operation standards. E: Harm to body E: Fire	Operators	4	C									
Hot Work – PPE	H: Inadequate selection of PPE. H: Inadequate use of PPE E: Harm to body	Operators	3	D	D3								

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting				GRA. No:		FS-01-IMS03-001-B-008		
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Hot Work		
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	
Hot Work – Area preparation	H: Flammable / combustible materials in work area and surrounding areas H: Loose flammable equipment H: Inadequate housekeeping E: Fire/ Explosion	All persons in area	5	C	C5	34. Isolation (LOTO) of systems, including fire detection system, as necessary (I) 35. Work area to be swabbed and tested for Cr(VI) prior to starting. If positive, refer to Hexavalent Chromium-6 Cr (VI) GRA (En) 36. Clear / clean the surrounding areas from combustible materials and / or provide sufficient fire barriers (En) 37. Provide adequate illumination (En) 38. Provide sufficient ventilation (En) 39. If Hot Work is performed on stainless steel or chromed steel alloys, assume that Cr(VI) will	3	B	B3	

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting				GR A. No		FS-01-IMSL03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMSL03-001 Health & Safety at Work		Life Saving Rule		Hot Work	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Hazard Description and Effect</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Personnel at Risk</p> <p>Potential Severity</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Risk Rating</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>
<p>H – Area of work not prepared for hot work</p> <p>H- Flammable materials and ignition sources</p> <p>H – Lack of information's</p> <p>E – Fire</p> <p>E – Explosion</p> <p>E – Death</p> <p>E – Injury</p> <p>E – Damage to vessel</p> <p>E – Damage to 3rd party property</p>		<p>All personnel on board</p>		<p>C</p>		<p>C5</p>		<p>A5</p>	
<p>Emergency preparedness for potential emergency situation</p> <p>(Equipment failure, Fire, electrical, shock, Injury, etc.)</p>		<p>5</p>		<p>42. Prepare firefighting equipment in the area (En)</p> <p>43. For timber decks: keep the deck covered with water or other fire protection (En)</p> <p>44. Provide competent fire watch with reliable communication line(s). Consider the use of VHF/UHF radios (En)</p> <p>45. Follow the appropriate emergency response checklist</p>		<p>5</p>		<p>A</p>	

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting				GRA. No:	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E) (High, medium or low)
Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.					are designed. Strictly follow the equipment manufacturer's instructions. (En)	
						54. Handle all gas cylinders with care – do not hit, drop, expose to forces (En)	
						55. Thoroughly visually inspect / test the equipment before use (A)	
						56. Use only the proper materials (e.g. welding rods, etc.) fit for purpose to perform the task at hand (A)	
						57. Test equipment prior to use and use only calibrated unit for testing presence of flammable vapours by competent person (A)	
						58. Are alternative work methods available? (S)	
						59. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I)	
						60. Select appropriate tools and calculate limits to exposure (A)	
Hot work – Tool handling	H: Vibration E: HAVS (Hand Arm Vibration Syndrome)	Operators	3	D	C3		B2
							B
							2

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting				GRA. No		FS-01-IMS03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Hot Work	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence	Risk Rating	
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify risk rating from matrix for each hazard. (High, medium or low)	
Hot work on vessel structure	H: Amendments to vessel structure E: Structural damages	Personnel in the working area, crew	C	C3	3	3	B	B3	
Electric welding - general	H: Direct current E: Electrocution	Personnel in the working area, crew	C	C4	4	4	B	B4	

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting				GRA. NO:	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE= Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)
Completion of Hot work	H – Hot Surfaces H – Poor housekeeping E – Re-ignition of fire E – Slips and trips E – Injury	Personnel in the working area, crew	4	C	C4	69. Limit the direct current output to max. 70 V (code of safe working practices 23.6.1. (En)) 70. Maintain fire watches after completion until such time as risks of fire are eliminated (A) 71. Proper close out of PTW (A)	3
Assessor's Name(s)	Reviewers Name(s)				Date	1 September 2022	08:00
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)				Location	F5	Rev. No
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)				Approval	Julia Korpak	Date
	Next Review date					31 August 2023	1 September 2022

Generic Risk Assessment

Reference Source	Title/ Description	Power Tools- Grinding / Use of Abrasive Wheels		IMS Procedure	FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	Line of Fire	GRA. No:	FS-01-IMS03-001-B-009
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk				
	Hazard Description and Effect	Potential at Risk	Likelihood of Occurrence	Risk Rating		Potential Severity	Likelihood of Occurrence			Risk Rating
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Classify risk rating from matrix for each hazard. (Low, medium or high)</p>	<p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>	<p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>	<p>Classify risk rating from matrix for each hazard. (Red, medium or low)</p>
Grinding – Preparation for work	<p>H: Inadequate job preparation.</p> <p>H: Unaware of the hazards and controls.</p> <p>H: Poor mental health of crew involved</p> <p>H: Unfavourable work environment (stress, victimization, etc.)</p> <p>H: Fatigue</p> <p>H: Inexperienced operator</p> <p>E: Unidentified hazards and risks</p> <p>E: Injuries</p>	<p>All persons on board, Operators</p>	<p>C</p>	<p>C2</p>	<p>B</p>	<p>B1</p>	<p>1</p>	<p>2</p>	<p>1</p>	<p>FS-01-IMS03-001-B Generic Risk Assessment Issue 01 Rev 01 01 May 2022 Page 1 of 8 This document is uncontrolled once printed or downloaded and may not reflect the latest version.</p>

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No:		FS-01-IMS03-001-B-009		
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		Line of Fire			
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En =Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>			
Emergency preparedness for potential	H – Crew incompetent for task	All persons on board	4	C	C4	4	A	A4	

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels				GRA. No		FS-01-IMS03-001-B-009	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE= Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	
emergency situation (Equipment failure, Blackout, Fire, electrical shock, Injury, etc.)	Hi: Flammable materials and ignition sources E - Injury E – Death E – Damage to vessel E – Damage to 3rd party property E – Fire E: Explosion, fire, release of forces (compressed gasses, under pressure liquids, etc.) E – Blackout					16. For timber decks: keep the deck covered with water or other fire protection (En)			
					17. Provide competent fire watch with reliable communication line(s). Consider the use of VHF/UHF radios (En)				
					18. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)				
					19. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)				
					20. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)				
					21. Emergency equipment is available and maintained as per PMS (A)				
					22. Monitor the working area and surrounding areas (A)				

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GR.A. No:		FS-01-IMS03-001-B-009	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Hazard Description and Effect</p> <p>Personnel at Risk</p> <p>Potential Severity</p> <p>Likelihood of Occurrence</p> <p>Risk Rating</p>	<p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>	<p>Potential Severity</p>	<p>Likelihood of Occurrence</p>	<p>Risk Rating</p>	
				<p>30. Thoroughly visually inspect / test the equipment before use (A)</p> <p>31. Be aware of HAVS symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A)</p> <p>32. Work share/rotation of task is recommended to reduce individual exposure to noise (and vibration). (A)</p> <p>33. Use only properly certified and maintained equipment as per manufacturer's instructions, PMS and suitable for marine environment and for the task (A)</p> <p>34. Avoid loose items (getting caught) (A)</p> <p>35. Select PPE according to PPE manual and matrix (PPE)</p> <p>36. Prevent wearing clothes made of synthetic fibers under overalls where a risk of ignition is likely (PPE)</p>				
Grinding – PPE	<p>H: Inadequate selection of PPE.</p> <p>H: Inadequate use of PPE</p> <p>E: Harm to body</p>	<p>Operators</p> <p>3</p> <p>C</p> <p>C3</p>		<p>2</p> <p>B</p> <p>B2</p>				

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No.	FS-01-IMS03-001-B-009	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard			B: Initial Risk			C: Controls			D: Residual Risk		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity	Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , medium or low	Classify risk rating from matrix for each hazard. High , medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.			From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating	
Grinding – Area preparation		H: Flammable / combustible materials in work area and surrounding areas H: Loose flammable equipment H: Inadequate housekeeping H: Inadequate guards or barriers			C5			37. PPE shall be in good condition, shall fit and the user shall be familiar with its use (PPE) 38. PPE should be free of grease and oil and other flammable substances (PPE)			39. Isolate work area to prevent noise or vibration exposure, as required (I) 40. Clear / clean the surrounding areas from combustible materials (I)		
		E: Fire/ Explosion from sparks E: Injuries			C			41. Provide sufficient fire barriers around combustible material that cannot be moved away (I) 42. Restrict access (I) 43. Isolation (LOTO) of systems, including fire detection system, as necessary (I) 44. Work area to be swabbed and tested for Cr(VI) prior to starting. If positive, refer to Hexavalent Chromium-6 Cr(VI) GRA (En)			3	B	B3

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-009		
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard			B: Initial Risk			C: Controls			D: Residual Risk			Line of Fire	
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Risk Rating	From matrix, identify consequence with no controls in place for each hazard.	Classify risk rating from matrix for each hazard.	From matrix, identify likelihood with no controls in place for each hazard.	Potential Severity	Likelihood of Occurrence	Risk Rating	Risk Rating	Line of Fire	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard.	From matrix, identify likelihood with no controls in place for each hazard.	(1-5)	(A-E)	All persons on board	High, medium or low	All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard.	(1-5)	From matrix, identify likelihood with controls in place for each hazard.	(A-E)	Line of Fire	
Grinding Operations		H: Use of Equipment H: Vibration, Noise E: Explosion, fire, E: Harm to body E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc.			C4			Control measures 1 to 48, as applicable			B3			Line of Fire	

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No:	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	FS-01-IMS03-001-B-009
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)
					52. Planning of tasks including suitable breaks from noise/vibration exposure (A)	
					53. Secure workplace, all equipment used back to their storage location (E)	
					54. Do not leave hot surfaces unattended after grinding is completed (I)	
					55. Proper close out of PTW, where applicable (A)	
Completion of work						
H – Hot surfaces H – Poor housekeeping E – Slips and trips E – Injury		Personnel in the working area, crew	3	C	C3	A2
Assessor's Name(s)	Reviewers Name(s)		Date	1 September 2022	Time	08:00
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)		Location	FS	Rev. No	01
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date	1 September 2022
	Next Review date		31 August 2023			

Generic Risk Assessment

Title/ Description	Manual Handling			GRA. Note	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling			FS-01-IMS03-001 Health & Safety at Work	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Line of Fire
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Potential Severity Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Likelihood of Occurrence From matrix, identify consequence with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (A-E)
Manual handling - general	H – Weight, size, shape of objects H – Sharp edges, protruding nails or splinters H – Greasy surfaces H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue E – Injuries	Personnel involved in the work	3	C3	B2
			2	B	
			1		

Generic Risk Assessment

Title/ Description		Manual Handling		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No:		FS-01-IMS03-001-B-010		
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Line of Fire						
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk						
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)			
						6. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A) 7. All personnel involved to comply with cultural awareness and no harassment policy (A) 8. Plan work schedule and regular breaks, comply with work and rest hours (A) 9. Comply with speak up policy (A) 10. Strictly follow Manual handling Procedure (A) 11. Consider weight and physical ability of the person to manage the load, in any case limit the weight of load to 23 kg or 50 pounds (A) 12. Manual handling training (A)						

Generic Risk Assessment

Title/ Description		Manual Handling		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-010	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Line of Fire		D: Residual Risk			
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	
H – Adverse Weather conditions	E – Injuries	Personnel involved in the work	3	C	C3	13. Consider weather conditions and movement of the vessel (A) 14. Consider route to undertake with the load (A)	3	B	B3		
H – Inadequate Working area	E – Injuries	Personnel involved in the work	3	C	C3	15. Consider and remove or manage the characteristics of the working area like (I) a. floor b. space to manoeuvre c. route (length, stairs, thresholds) d. lighting, e. possible obstructions f. Greasy or slippery floor g. SIMOPS along the route	3	A	A3		
H – Incorrect manual handling techniques	H – Fatigue	Personnel involved in the work	4	C	C4	16. For lengthy route inspect before manual carrying the load, if necessary, isolate the route (I)	3	A	A3		
Control measures 1 to 12		Control measures 1 to 12		17. Allow only personnel to participate that followed the		3					

Generic Risk Assessment

Title/ Description		Manual Handling		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Line of Fire		GRA. No.		FS-01-IMS03-001-B-010	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Likelihood of Occurrence	Potential Severity	Likelihood of Occurrence	Potential Severity	Likelihood of Occurrence	Potential Severity	Risk Rating			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)			
						26. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)		27. Emergency equipment is available and maintained as per PMS (A)							
Assessor's Name(s)	Reviewers Name(s)	Date	1 September 2022	Time	08:00										
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)	Location	FS	Rev. No	01										
Marino Buselic, Vijay Murdath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022										
		Next Review date	31 August 2023												

Generic Risk Assessment

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation			GRN No:	FS-01-IMS03-001-B-011
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	Emergency Response Manual FS-01-IMS03-001 Health & Safety at Work SOLAS Training Manual	Life Saving Rule	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
	H – Communication failure H – misunderstanding instructions or procedure H – Unfamiliarity with operations H - Launching without authority permission H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue E – Inadequate execution				
Lifeboat drill planning		1	C1	A	A1
				1	

Generic Risk Assessment

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No:	FS-01-IMS03-001-B-011
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Work Authorisation		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (high , medium or low)	From matrix, identify risk rating from matrix for each hazard. (1-5)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
E: Injuries E: Poor results due to loss of time								

Generic Risk Assessment

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No:
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual FS-01-IMS03-001 Health & Safety at Work SOLAS Training Manual	Life Saving Rule	Work Authorisation	FS-01-IMS03-001-B-011	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (high, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (A-E)	
Emergency preparedness for potential emergency situation (Equipment failure, MOB, Capsize of lifeboat, damage to equipment, Loss of lifeboat,etc.)	H – Equipment failure H – Unfamiliar crew E – Loss of lifeboat E – Death E – Injury E – Damage to equipment E - MOB	Personnel involved	C4	A	A4	Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 18. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 19. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)	

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No:	FS-01-IMS03-001-B-011		
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual FS-01-IMS03-001 Health & Safety at Work SOLAS Training Manual	Life Saving Rule	Work Authorisation				
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity From matrix, identify likelihood with controls in place for each hazard. (A-E)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Injury En= Equipment damage H= High M= Medium L= Low
Launch of the lifeboat	H - Incorrect launch of lifeboat H - Failure to launch due to lack of maintenance/faulty equipment H – Improper conduct of lifeboat crew	5	C	Control measures 1 to 28, as applicable 29. No personnel inside the boat when lowering and hoisting (E) 30. Use embarkation ladder to access the boat when waterborne (S) 31. Release hook only to be used after lifeboat is fully waterborne (off load) (En)	C5	4	A4		
	E – Injury En= Equipment damage H= High M= Medium L= Low						A		
	32. On-load release, if equipped, to be tested: (En)								

Generic Risk Assessment

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No:	FS-01-JMS03-001-B-011	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-JMS17-001 Emergency Response Manual	FS-01-JMS03-001 Health & Safety at Work	Life Saving Rule	SOLAS Training Manual	Work Authorisation		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
						<ul style="list-style-type: none"> Either, when the boat suspended on pennants (see manufacturer manual) Or with crew inside the boat and boat lifted off the water max 0.5m 33. 'Stop the Job' Policy (A) 34. Use SLAM before starting the job (A)			
	H - Untrained/unqualified crew operating the boat H - Sudden changes in weather H - Equipment failure E - Injury E - Collision E - Damage	Lifeboat crew Vessel Lifeboat	4	C	C4	Control measures 1 to 20, as applicable 35. Monitor weather conditions (A) 36. Certified crew to operate lifeboat (A) 37. Monitor traffic in vicinity (A) 38. Establish communication with Officer of the Watch (A)	3	B	B3
Operations with Lifeboat	H - Incorrect recovery of lifeboat	Launch team	5	C	C5	Control measures 1 to 28, as applicable	4	A	A4
Recovery of boat									

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No:	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	SOLAS Training Manual	Work Authorisation	FS-01-IMS03-001-B-011
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (Red, medium or green)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
		Thiha, Irfan Afzal (Initial 2021) Marino Buselic, Vijay Murdath (Review 2022)	Muru Palaney, Tommaso Perelli (Initial 2021) Tommaso Perelli, Muru Palaney (Review 2022)	Location	FS	Rev. No	01	
			Approval	Julia Korpak	Date	1 September 2022		
			Next Review date	31 August 2023				

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No:	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule Work Authorisation		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Ballasting and de-ballasting - Planning	H: Poor preparation H: Incorrect stability calculations H: Poor communication, loss of focus on task. H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E: Loss of Stability E: Flooding E: Structural damage due to pressurised tank	Personnel on board Vessel	C3 C 3	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
				1. Check ballast tank vents to make sure they are clear for outflow/intake of air while loading/discharging ballast to avoid over pressurizing or creating vacuum in tank that could lead to structural damage (En). 2. Tank level sensors to be available and maintained as per PMS (En). 3. Follow Ballast Water Management Plan (A) 4. Person performing task should be fit for work. Take in account	Risk Rating Classify risk rating from matrix for each hazard. Link, medium or low
				3 A A3	

Generic Risk Assessment

Title/ Description		Ballasting / De-Ballasting Operations					GRA. No:	FS-01-IMS03-001-B-012	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation				
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
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						crewmber capabilities, limitations, mental health, physical health limitations. (A) 5. All personnel involved to comply with cultural awareness and no harassment policy (A) 6. Plan work schedule and regular breaks, comply with work and rest hours (A) 7. Comply with speak up policy (A) 8. Prepare ballast sequence/plan of vessels current status including any expected or possible changes to this status during the planned duration of the operation (A).			

Generic Risk Assessment

Title/ Description		Ballasting / De-Ballasting Operations					GRA. No:	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation			
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE= Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE= Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
Emergency preparedness for potential emergency situation (List, Capsize, Structural damage, Pollution, damage to	H – Wrong ballast plan H – Ballast operator mistake E – List E – Capsize E – Death E – Injury E – Pollution	Personnel on board Vessel	4	C	C4	14. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 15. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)	4	A

Generic Risk Assessment

Title/ Description		Ballasting / De-Ballasting Operations			GRA. No:	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. Red , Yellow , Green or Blue	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
equipment, Equipment failure, etc.)	E – Damage to equipment E -Damage to 3 rd party property E -Equipment failure				16. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 17. Emergency equipment is available and maintained as per PMS (A)	Control measures 1 to 17, as applicable
Ballasting and de-ballasting - Operations	H: Equipment malfunction H: Incorrect stability calculations H: Poor communication, loss of focus on task E: Loss of Stability E: Flooding E: Structural damage due to pressurised tank	Personnel on board Vessel 5	C C5		18. Regularly monitor tank gauges and where possible take physical soundings (En) 19. Follow ballast sequence as per plan (A). 20. Monitor ballast/de-ballast operations throughout the execution, avoid SIMOPS/distractions (A)	4 A A4

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No:	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
	Hazard Description and Effect Separate the job into individual tasks and record in sequence.	Personnel at Risk Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Potential Severity Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Likelihood of Occurrence From matrix, identify consequence with no controls in place for each hazard. (1-5)	Risk Rating From matrix, identify likelihood with no controls in place for each hazard. (1-5)
			Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
				21. Keep proper communication between ballasting officer, engine room, bridge (A) 22. Ensure all valves are in the correct position (A) 23. Maintain ballasting equipment as per PMS (A) 24. Engine Room and Bridge manned throughout the operations (A)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
				25. Use equipment (Ballast Water Treatment units) (En) 26. Tank cleanings as per PMS (En) 27. Maintenance of ballast water treatment unit as per PMS (A) 28. Follow Ballast Water Management Plan and international regulations	

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No:	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation			FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
				29. Regular tank inspections as per PMS (A)	
Assessor's Name(s)	Reviewers Name(s)	Date	Time	08:00	
Iris de Vos (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)	Location	1 September 2022	Rev. No	01
Marina Buselic, Vijay Murudath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022
		Next Review date	31 August 2023		

Generic Risk Assessment

Title/ Description	Maintenance - Lifting Equipment and Accessories	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	GRA. No:	FS-01-IMS03-001-B-013
Tasks	At Hazard	Hazard Description and Effect	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , Medium or Low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
Assessment and preparation for lifting equipment and accessories maintenance and inspection		H - Misunderstanding of procedures H - Records and certificates not monitored and maintained H - Uncoordinated task or action execution H - Unfamiliarity with the equipment and accessories to be maintained and inspected H – Poor ergonomics considerations H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Improper task preparation	<p>1. Follow Lifting Equipment Procedure (A)</p> <p>2. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A)</p> <p>3. All personnel involved to comply with cultural awareness and no harassment policy (A)</p> <p>4. Plan work schedule and regular breaks, comply with work and rest hours (A)</p> <p>5. Comply with speak up policy (A)</p> <p>6. Inspect equipment at appropriate intervals in line with PMS and manufacturer guidance (A)</p> <p>7. Use of Up-to Date Forms and Checklists as to the latest</p>		D2 D 2		1	B B1

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories			GRA. No	
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	FS-01-IMS03-001-B-013
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>
	<p>E – Use of expired or poorly maintained lifting equipment or accessories</p>				<p>Company Safety Standard System (A)</p> <p>8. Proper Documentation, Filing and Record Keeping (A)</p> <p>9. TBT and TRA for the task (A)</p> <p>10. LOTO and PTW in place, if required (A)</p> <p>11. If maintenance to be carried 2m above deck requires the completion of Work at Height Permit with Rescue Plan and Rescue Equipment inspected and available. (A)</p> <p>12. Verification of current records and certification (A)</p> <p>13. Qualified and competent crew in line with procedure requirement to do the preparation and plans for the task (A)</p> <p>14. Establish communication means between parties where required (A)</p>	

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories					GRA. No	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure		FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule		Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Likelihood of Occurrence	Potential Severity	Risk Rating	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , Medium or Low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Emergency preparedness for potential emergency situation (Slip, trips & falls, Injury, Equipment failure, etc.)	H – Slips, Trips & falls H – Personnel not familiar with task H – Manufacturer instruction not followed E – Death E – Injury E – Damage to equipment	Crew involved	C4	C	15. Trainings/Familiarization either on board or ashore to gain and retain full knowledge and skills. (A) 16. Apply proper manual handling techniques where task required to handle loads (A) 17. Use of PPE appropriate for task and in line with PPE matrix (PPE)	15. Trainings/Familiarization either on board or ashore to gain and retain full knowledge and skills. (A) 16. Apply proper manual handling techniques where task required to handle loads (A) 17. Use of PPE appropriate for task and in line with PPE matrix (PPE)	18. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 19. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 20. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)	4 A A4

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories				GRA. No:	FS-01-IMS03-001-B-013		
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist				IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Execution of lifting equipment and accessories maintenance and inspection	H - Improper delegation of work H - Dropped Objects H - Slip, trips and fall. E - Injury E - damage to property and equipment	Crew	4	C	C4	21. Emergency equipment is available and maintained as per PMS (A) Control measures 1 to 21 as applicable 22. Positioning away from line of fire hazards (I) 23. Any observation found on the crane and other lifting equipment/accessories while completing the inspection must be reported and equipment must be quarantined until is repaired or offloaded (I) 24. Isolate work area around a suspended load and lay down areas during crane lifting test and maintenance (I) 25. In case of maintenance of pressurised or electrically powered lines, ensure LOTO is in	4	A	A4

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories					GRA. No	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure		FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule		Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
					Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	place and stored energy released. (En)		
					26. Designated banksman must be aware of his surroundings and the safety of personnel involved in the task. (A) 27. The Lifting Equipment, Load and Accessories are inspected in line with procedure and manufacturer instructions (A) 28. Responsible supervisor to be the look-out while monitoring and carrying-out the Lifting Maintenance and Inspections. (A) 29. SLAM (A) 30. Stop the Job (A)	31. All items especially movable and falling objects properly arranged and secured. (I) 32. All safety limits and guards are back in operation mode. (En)	4	A
Restore back to operations	H – Poor housekeeping H – Inadequate measures in place before power is restored H – Dropped object	Crew	4	C	C4			A4

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories			GRA. No:	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>
	<p>H – Lifting equipment and accessories not ready for operations</p> <p>E – Injury E – Equipment damage E – Operations delays</p>				<p>33. After maintenance and inspection ensure system is ready and power back on in line with LOTO procedure (A)</p> <p>34. Inspect area making sure all tools and equipment are secured. (A)</p> <p>35. Good Housekeeping around the area.(A)</p>	
Assessor's Name(s)	Reviewers Name(s)		Date	1 September 2022	Time	08:00
	Edgar Christopher Gapuz (Initial 2021)		Location	FS	Rev. No	01
	Marino Buselic, Vijay Murdath (Review 2022)		Approval	Julia Korpak	Date	1 September 2022
			Next Review date	31 August 2023		

Generic Risk Assessment

Reference Source	Maintenance - Painting	Code of Safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-014	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
	Hazard Description and Effect	Potential at Risk	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S= Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (Red , medium or low)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Preparation for painting - general	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H - Inadequate PPE / PPE not used H: Equipment H - Noise H: Use of Equipment H: Vibration H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E: HAVS (Hand Arm Vibration Syndrome) E: Poor quality standards of equipment used	Crew	C	C1	1	A	A1	

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No.: FS-01-IMS03-001-B-014	
Reference Source	Code of Safe working practices	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk						Work Authorisation
		Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E = Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A E)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A E)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	Risk Rating

Generic Risk Assessment

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-014	
Reference Source		Code of Safe working practices		B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation			
Tasks		A: Hazard		Hazard Description and Effect		Personnel at Risk		Likelihood of Occurrence		Risk Rating			
Separate the job into individual tasks and record in sequence.		Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.		From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Classify risk rating from matrix for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence	Risk Rating	
(Poisoning, Injury, Pollution, Fire, Damage to equipment, etc.)		E – Damage to equipment E – Pollution E – Fire								23. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 24. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 25. Emergency equipment is available and maintained as per PMS (A)			
Preparation of painting area		H – Inadequate lighting in place H – Potential source of ignition (especially when painting in enclosed space or indoors) H - Inadequate ventilation (Painting in enclosed space or indoors) H – Falling from height (when painting at height) H – Spill of polluting substances to the environment H – Slips trips and falls E – Injury		Crew	4	C	C4			26. When painting on deck ensure scuppers are closed (I) 27. Work area to be swabbed and tested for Cr(VI) prior to starting. If positive, refer to Hexavalent Chromium-6 Cr(VI) GRA (En) 28. Existing lights to be maintained in good working condition. (A) 29. Additional lights used if required. (A) 30. Confined space PTW to be used and Confined space procedure to be complied with, if painting in confined spaces. (A)	4	A	A4

Title/ Description		Maintenance - Painting				GRA. No:		FS-01-IMS03-001-B-014	
Reference Source	Code of Safe working practices		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Work Authorisation
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)
	E - Pollution					31. Work at height PTW to be used and work at height procedure to be complied with, if painting at height. (A)			
						32. Adequate ventilation of the space, where necessary additional forced ventilation to be used (A)			
						33. Continuous monitoring of the atmosphere within the confined space (A)			
						34. No smoking or hot work in the vicinity of the area. (A)			
						35. When painting on deck ensure SOPEP equipment is at hand (A)			
						36. Clear work area from obstacles before commencing, good housekeeping (A)			
						37. Check adjacent areas are suitable to allow for painting (A)			
						38. SLAM (A)			
						39. Stop the job (A)			

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No:		FS-01-IMS03-001-B-014		
Reference Source		Code of Safe working practices		B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation				
Tasks		A: Hazard		Hazard Description and Effect		Personnel at Risk		Potential Severity	Likelihood of Occurrence	Risk Rating		Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.		Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.		From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)				From matrix, identify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)		
				H – Wrong chemicals mixed H - Splashes and spills E – Injury E – Pollution E – Fire		Crew	4	C	C4		40. Mixing carried out in controlled / contained area to limit possible spill and splash effects (I) 41. Mixing chemicals to be done by trained / experienced person (A) 42. Follow strictly manufacturer instructions (A) 43. Check availability of SDS and appropriate response equipment is at hand (A) 44. Appropriate PPE for the task are used (PPE)			
				H - Contact with skin / eye H – Breathing of fumes/poor ventilation H - Vessel's motion (Rolling, pitching etc due to weather) H - Splashes and spills H - Fatigue E – Injury E – Pollution		Crew	4	C	C4		Control measures 1 to 44, as applicable 45. Monitor weather condition for the planned task, stop task if condition becomes unsuitable. (E) 46. Keep paint in spill containment area if possible (I) 47. Adequate supervision maintained. (A) 48. Plan work and take regular breaks for resting (A)			

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No:		FS-01-IMS03-001-B-014
Reference Source		Code of Safe working practices		B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation		
Tasks		A: Hazard		Hazard Description and Effect		Personnel at Risk		Likelihood of Occurrence		Risk Rating		
Separate the job into individual tasks and record in sequence.		Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Note:- Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	From matrix, identify likelihood for each hazard. (High, medium or low)	Classify risk rating from matrix for each hazard. (High, medium or low)	Risk Rating	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence
										49. When painting on open deck, ensure adequate protection from environment (A)		
										50. Avoid mixing different types of cleaning materials. (I)		
										51. Clean up of tools and materials to be done on spill containment area, to prevent damage from accidental spill (I)		
										52. Use appropriate cleaning materials in line with the safety data sheet. (A)		
										53. Garbage management plan to be followed. (A)		
										54. Inspect work area after completion and remove any tools and materials used (A)		
										55. Adequate training provided to crew to raise awareness for compliance and reduction of waste generation. (A)		
										56. Proper PPE to be worn (PPE)		

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No.		FS-01-IMS03-001-B-014	
Reference Source		Code of Safe working practices		B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation			
Tasks		A: Hazard		Personnel at Risk		Likelihood of Occurrence		Risk Rating		Potential Severity		Likelihood of Occurrence	
		Hazard Description and Effect		Potential Severity		Likelihood of Occurrence		Risk Rating		Potential Severity		Likelihood of Occurrence	
Separate the job into individual tasks and record in sequence.		Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)		From matrix, identify likelihood with no controls in place for each hazard. (1-5)		Classify risk rating from matrix for each hazard. (High, medium or low)		From matrix, identify consequence with controls in place for each hazard. (1-5)		From matrix, identify likelihood with controls in place for each hazard. (A-E)	
Assessor's Name(s)		Reviewers Name(s)		Date		1 September 2022		Time		08:00			
Miguel Ganuza, Melvin Fernandes (Initial 2021)		Muru Palaney, Tommaso Perelli (initial 2021)		Location		FS		Rev. No		01			
Marino Buselic, Vijay Murdath (Review 2022)		Tommaso Perelli, Muru Palaney (Review 2022)		Approval		Julia Korpak		Date		1 September 2022			
				Next Review date		31 August 2023							

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush					GRA. No*	FS-01-IMS03-001-B-015	
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	Line of Fire		
Tasks	A. Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (Red, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S= Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (Red, medium or low)
Task planning and preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Inadequate ergonomics considerations H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Improper measures in place	Crew	1	C1	C	1	A	A1	

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Chipping Including Use of Wire Brush				GRA. No:	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E = Elimination S=Substitution I = Isolation En =Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)			
						9. Verify weather forecast is suitable for the planned task (A) 10. Follow PPE matrix, verify all PPE are in good condition. (PPE)	
						11. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 12. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)	
						13. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 14. Emergency equipment is available and maintained as per PMS (A)	
						15. If no guards present, then tools not to be used (E) 16. Isolate work area to prevent noise or vibration exposure, as required (I)	
Tools selection	H - Inadequately maintained tools H - Improper tools used for the job H: Use of Equipment H: Vibration	Crew involved	4	C	C4	A4	A2

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015		
Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire				
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , medium or low
	E: Harm to body E: HAVS (Hand Arm Vibration Syndrome) E: Poor quality standards of equipment used E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc. E - Injury					17. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I) 18. Check all safety guards / trips in place and operational prior use. (En) 19. Select the lowest vibration tool suitable for the job (En) 20. Selection of tools suitable for the task and area of operation (A) 21. Thorough check of tools and accessories prior use. (A) 22. Tools used and maintained as per makers instructions in an ergonomic way. (A) 23. Be aware of HAVS symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A) 24. Maximum trigger times of tools to be known in line with Noise and Vibration procedure. (A)			

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. NO:		FS-01-JMS03-001-B-015	
Reference Source	Code of safe working practices	IMS Procedure		FS-01-JMS03-001 Health & Safety at Work		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
<p>25. Supervisors to monitor vibration exposure using the calculator belonging to and in line with Noise and Vibration procedure (A)</p> <p>26. Noise exposure levels to be monitored by site supervisors. (A)</p> <p>27. Work share/rotation of task is recommended to reduce individual exposure to noise (and vibration). (A)</p> <p>28. Planning of tasks including suitable breaks from noise/vibration exposure (A)</p> <p>29. If pressurised tools are used, be aware and ensure appropriate measures are in place to control hazards associated with stored energy (A)</p> <p>30. Place barriers and containment to prevent debris spreading (I)</p> <p>31. Work area to be swabbed and tested for Cr(VI) prior to starting.</p>									
Area preparation	H – Improper lighting in place H – Inflammable or hazardous atmosphere	Crew	3	C	C3			3	A A3

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush			GRA. No		FS-01-IMS03-001-B-015		
Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire				
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , medium or low
	H – Failure to identify hazards of work area H – Slips trips and falls H – Debris from chipping contaminating surrounding areas E – Injury E – Equipment, vessel damage E – Environmental impact				<p>If positive, refer to Hexavalent Chromium-6 Cr(VI) GRA (En)</p> <p>32. Additional lights used if required. (En)</p> <p>33. Atmosphere in the space checked before commencing work. (En)</p> <p>34. Additional forced ventilation if required, to maintain atmosphere (En)</p> <p>35. Existing lights to be maintained in good working condition. (A)</p> <p>36. Relevant permit to work and TRA obtained prior commencing work in the confined space. (A)</p> <p>37. SLAM (A)</p> <p>38. Clear work area of possible obstacles or inflammable substances, as required (A)</p>	<p>Control measures 1 to 38, as applicable</p> <p>39. Monitor weather condition throughout the task, if unfavourable stop task. (E)</p>	<p>B</p> <p>B2</p>	<p>2</p> <p>B</p>	<p>B2</p>
	Chipping including use of wire brush operation	H - Vessel's motion (Rolling, pitching etc due to weather) H – Communication failure	Crew	C C3	<p>Control measures 1 to 38, as applicable</p> <p>39. Monitor weather condition throughout the task, if unfavourable stop task. (E)</p>	<p>2</p> <p>B</p>	<p>B2</p>	<p>B2</p>	

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015	
Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire			
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High , medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.		
	H – Flying particles and debris H - Fatigue E - Injury E – Equipment damage					40. Equipment used in environment as per manufacturer's instructions (Ex: Rain, Heat, Humidity etc). (En) 41. Monitor possible conflict with SIMOPS (A) 42. Adequate supervision maintained. (A) 43. Plan work and take regular breaks for resting (A)		
	H – Debris not properly disposed of H – Poor housekeeping H – Slips trips and falls E - Environmental impact E – Injury					44. Secure area, clear of debris (I) 45. Inspect work area after completion and remove any tools and materials used (A) 46. Inspect tools after work and segregate if damaged (A) 47. If area needs to be painted afterwards, refer to painting TRA (A)		
	Secure area after chipping including use of wire brush					1 C C1		
						1 A A1		
Assessor's Name(s)	Reviewers Name(s)				Date	1 September 2022	Time	
Miguel Ganuza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)				FS	08:00	Rev. No	
Marino Buselic, Vijay Murdath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)				Julia Korpak	01	Date	
						1 September 2022	1 September 2022	

Title/ Description		Maintenance - Deck – Chipping Including Use of Wire Brush				GRA. No:	FS-01-IMS03-001-B-015	
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard.	Classify risk rating from matrix for each hazard. (High, medium or low)	<p>From matrix, identify likelihood with no controls in place for each hazard.</p> <p>(A-E)</p>	<p>From matrix, identify consequence with controls in place for each hazard.</p> <p>(1-5)</p>	<p>From matrix, identify likelihood with controls in place for each hazard.</p> <p>(A-E)</p>	
					Next Review date	31 August 2023		

Generic Risk Assessment

Reference Source	Code of Safe Working Practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	GRA. No:	FS-01-IMS03-001-B-016		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High , medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
Task general preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H – Unfavourable ergonomics / Repetitive Stress Injury H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Use of Equipment H: Vibration E: Harm to body E: HAVS (Hand Arm Vibration Syndrome) E: Poor quality standards of equipment used	Crew	C C1	1 1	A A1	1 1	A A1		

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Cleaning Including Use of Chemicals and High-Pressure Washer				GRA. No:	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Risk Rating	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (Red, medium or green)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (Red, medium or low)
E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc.	E – Improper measures in place						

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Cleaning Including Use of Chemicals and High-Pressure Washer				GRA. No.	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Risk Rating	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. High , medium or low
burns, poisoning, skin irritations, eye irritations, electrical shock, etc.)	E – Death E - Injury/Illness of personnel E – Damage to vessel E – Damage to 3rd party property					24. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 25. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 26. Emergency equipment is available and maintained as per PMS (A)	24. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 25. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 26. Emergency equipment is available and maintained as per PMS (A)
Area preparation	H – Improper lighting in place H - Inadequate ventilation H – Slips trips and falls H - Harmful chemical reaction E – Injury E – Equipment damage	Crew	2	C	C2	27. Area to be cleared of as much debris as possible prior to commencing work. (E) 28. Secure loose equipment in the area to prevent damage or loss (I) 29. Isolate work area as appropriate to prevent accidental access (I) 30. Adequate ventilation in the space where chemicals are used. (En) 31. Existing lights to be maintained in good working condition. (A) 32. Additional lights used if required. (A)	27. Area to be cleared of as much debris as possible prior to commencing work. (E) 28. Secure loose equipment in the area to prevent damage or loss (I) 29. Isolate work area as appropriate to prevent accidental access (I) 30. Adequate ventilation in the space where chemicals are used. (En) 31. Existing lights to be maintained in good working condition. (A) 32. Additional lights used if required. (A)

Generic Risk Assessment

Title/ Description		Maintenance - Deck – Cleaning Including Use of Chemicals and High-Pressure Washer				GRA. No:	FS-01-IMS03-001-B-016	
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (High, medium or low)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
					42. Check availability of SDS and appropriate response equipment is at hand (A) 43. Personnel to be trained in safe use of chemicals. (A) 44. Adequate supervision provided. (A)			
					Control measures 1 to 44, as applicable 45. Monitor weather, stop operations if weather deteriorates (E) 46. Use of equipment according manufacturer instructions (A). 47. Adequate supervision maintained. (A) 48. Maintain good housekeeping during operations to prevent creating obstacles in work area (A) 49. Be aware of hazards of stored energy (A) 50. SLAM (A) 51. Stop the Job (A)			
					Cleaning including use of chemicals and high-pressure washer operation execution H - Incorrect operation of high pressure washer H - Vessel's motion (Rolling, pitching etc due to weather) H - Skin / eye contact with flying debris H – Slips trips and falls E – Injury E – Equipment damage	C3	B3	B
					Crew	3	3	B

Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer						GRA. No.	FS-01-IMS03-001-B-016		
Reference Source	Code of Safe Working Practices		IMS Procedure	Health & Safety at Work		Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
Securing area after cleaning operations	H – Debris not properly disposed of H – Chemical products nor properly disposed of H – Poor housekeeping H – Slips trips and falls E - Environmental impact E – Injury	Crew	1	C	1	1. Secure area, clear of debris (I) 2. Inspect work area after completion and remove any equipment and materials used (A) 3. Inspect equipment after work and segregate if damaged (A) 4. Dispose of chemical products or residues in line with SDS and COSHH (A)	A1	A	
Assessor's Name(s)	Reviewers Name(s)			Date	1 September 2022	Time	08:00		
Miguel Gauza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)			Location	FS	Rev. No	01		
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)			Approval	Julia Korpak	Date	1 September 2022		
				Next Review date	31 August 2023				

Generic Risk Assessment

Reference Source	Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging			GRA. No.	FS-01-IMS03-001-B-017	
Tasks	A: Hazard	B: Initial Risk	IMS Procedure	FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	C: Controls	D: Residual Risk	
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (Red) Medium or low	Potential Severity	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Likelihood of Occurrence	Risk Rating
Pilot boarding preparation	H – Communication misunderstanding H – Instructions misunderstanding H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Incorrect ladder rigging	Crew	1	C	C1	1. Radio communication with pilot station and pilot boat established and pilot boarding requirements agreed (A) 2. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A) 3. All personnel involved to comply with cultural awareness and no harassment policy (A) 4. Plan work schedule and regular breaks, comply with work and rest hours (A) 5. Comply with speak up policy (A) 6. Toolbox talk between all personnel involved in the	A	A1

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				Gra. No		FS-01-IMS03-001-B-017
Reference Source	COSWP	IMS Procedure	FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire			
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows	Potential Severity	Likelihood of Occurrence
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. [Red] (High), [Yellow] (Medium) or [Green] (Low)	Risk Rating	E = Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Emergency preparedness for potential emergency situation (Equipment failure, weather condition, MOB, Capsize of Pilot boat, damage to equipment, etc.)		<p>operation, including review of TRA (A)</p> <p>7. Check and monitor weather conditions (A)</p> <p>8. Follow MOPO (A)</p> <p>9. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)</p> <p>10. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)</p> <p>11. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)</p> <p>12. Emergency equipment is available and maintained as per PMS (A)</p>						
Pilot ladder rigging	H – Slips and trips H – Communication misunderstanding H – Instructions misunderstanding	Crew involved	4	C	C4	4	A	A4
						13. Maintain good housekeeping and remove any obstruction around pilot boarding area (E)	4	A

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging			IMS Procedure		FS-01-IMS14-001 - Deck Procedures		GRA. No		FS-01-IMS03-001-B-017
Reference Source	COSWP <th>A: Hazard</th> <th data-cs="2" data-kind="parent">B: Initial Risk</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">C: Controls</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">D: Residual Risk</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">Line of Fire</th> <th data-kind="ghost"></th> <th></th>	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows	E = Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.	Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. High , Medium or Low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
						14. Only personnel involved in operation to be present in the area (I)					
						15. Manual handling technique to place ladder (En)					
						16. Rig the ladder using the correct and approved rigging anchor points (En)					
						17. Rigging to the agreed height above water line (En)					
						18. Lifebuoy with line & light in place / MOB Boat ready. (En)					
						19. Sufficient lighting (En)					
						20. Personnel at pilot boarding station to have communication means and backup with bridge and test on arrival after TBT (A)					
						21. Check pilot ladder for damages and defects before rigging (A)					
						22. Pilot ladder rigging supervised and arrangement confirmed to bridge (A)					

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging			GRA. No.		FS-01-IMS03-001-B-017	
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures		Life Saving Rule		Line of Fire
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. Red , Low , Medium or High	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. Low , Medium or High
					35. Bridge communication with pilot boat, about speed and lee way (A)			
					36. Personnel involved to wear inflatable and SOLAS approved work vests/PFD's, safety lines (PPE)			
					37. Maintain good housekeeping (E)			
					38. Lifebuoy line & light in place and MOB boat on standby (En)			
					39. Correct manual handling techniques (En)			
					40. Proper supervision (A)			
					41. Inform bridge when pilot boarding area is secured (A)			
					42. Correct PPE (PPE)			
					43. All personnel to wear inflatable SOLAS approved work vests / PFD's (PPE)			
Assessor's Name(s)		Reviewers Name(s)			Date	1 September 2022	Time	08:00
Tommaso Perelli (Initial 2021)		Muru Patlaney (Initial 2021)			Location	FS	Rev. No	01

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				GRA. No		FS-01-IMS03-001-B-017	
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard.	From matrix, identify likelihood with no controls in place for each hazard.	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (A-E)	Likelihood of Occurrence	Risk Rating
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)		Approval		Julia Korpak	Date	1 September 2022		
		Next Review date		31 August 2023					

Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue				GRA. No		FS-01-IMS03-001-B-018	
Reference Source	Code of Safe Working Practices for Merchant Seafarers – Ch17	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Working at Height	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating	Risk Rating
Work over the side preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – improper measures in place	Crew	1	C1	1	1	A	A1	

Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue			FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-018	
Reference Source		Code of Safe Working Practices for Merchant Seafarers – Ch 17			IMS Procedure						Working at Height	
Tasks		A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk				
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)		
					7. All personnel involved to comply with cultural awareness and no harassment policy (A)	8. Plan work schedule and regular breaks, comply with work and rest hours (A)	9. Comply with speak up policy (A)	7.	All personnel involved to comply with cultural awareness and no harassment policy (A)	8. Plan work schedule and regular breaks, comply with work and rest hours (A)		
					10. Provide proper supervision of the task in line with PTW (A)	11. Allow only trained personnel to work. (A)	12. Use only approved, certified and properly maintained equipment. (A)	10.	Provide proper supervision of the task in line with PTW (A)	11. Allow only trained personnel to work. (A)		
					13. Inspection of all fall protection staging, platforms, ladders, PPE by competent person prior to job (A)	14. Use of equipment by competent and/or trained personnel (A)	15. Assess task and complete PTW/TRA (A)	13.	Inspection of all fall protection staging, platforms, ladders, PPE by competent person prior to job (A)	14. Use of equipment by competent and/or trained personnel (A)		
					16. Create rescue plan, including rescue from height and recovery			16.	Create rescue plan, including rescue from height and recovery			

Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue			MS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-018						
Reference Source	Code of Safe Working Practices for Merchant Seafarers – Ch 17	A: Hazard			B: Initial Risk			C: Controls			D: Residual Risk			Working at Height					
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence	Risk Rating							
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	All controls must be valid in that they reduce severity, likelihood or both.	(High, medium or low)	(High, medium or low)	(High, medium or low)	(A)	(A)	(A)	(A)							